



# SAFETY DATA SHEET

## Section 1: Identification

**Product name** TRIM® GRIND WCS

**Other means of identification** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Metal working fluids

**Restrictions on use** Applicable for industrial settings only. No other uses are advised.

### Details of manufacturer or importer

#### Supplier

**Company name** Industrial Lubricants & Services Ltd

**Address**  
15 Accent Drive  
East Tamaki 2013  
Auckland  
New Zealand

**Telephone** 64 9 2740159

**Manufacturer** Master Fluid Solutions (Tianjin)

**Address**  
No. 66, No.9 Xin Ye Street, TEDA (West)  
Tianjin 300462  
P.R. China

**e-mail** info@masterchemical.com.cn

**Emergency telephone number** 0800 10 40 17 ( NZ use only)

**NEW ZEALAND NATIONAL POISONS CENTRE** 0800 764 766

## Section 2: Hazard identification

**HSNO classification** 8.2B - Substances that are corrosive to dermal tissue UN PGII  
8.3A - Substances that are corrosive to ocular tissue  
6.1E -Substances that are acutely toxic – May be harmful, Aspiration hazard

This material has been classified in accordance with Hazardous Substances (Safety Data Sheets) Notice 2017 and classified as hazardous according to the Hazardous Substances (Classification) Regulations 2001.

This material is not classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2020 Transport of Dangerous Goods on Land.

### Classification of the hazardous chemical

**Physical hazards** Not classified.

**Health hazards**  
Acute toxicity, oral Category 5  
Skin corrosion/irritation Category 1B  
Serious eye damage/eye irritation Category 1

**Environmental hazards** Not classified.

### Label elements, including precautionary statements

**Hazard symbol(s)**



Corrosion

**Signal word** Danger

**Hazard statement(s)** Causes severe skin burns and eye damage. May be harmful if swallowed.

**Precautionary statement(s)**

**Prevention** Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust or mist.

<b>Response</b>	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre/doctor. IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards which do not result in classification</b>	None.
<b>Supplemental information</b>	None.

### Section 3: Composition/information on ingredients

#### Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
2-(2-Aminoethoxy)ethanol	929-06-6	5 - < 10
Amine Neutralized Carboxylic Acids	Mixture	5 - < 10
Amine Neutralized Phosphate Esters	Mixture	5 - < 10
Other components below reportable levels		70 - < 80

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### Section 4: First-aid measures

#### Description of necessary first aid measures

<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash affected area with mild soap and water.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
<b>Ingestion</b>	In the unlikely event of swallowing contact a physician or poison control centre. Do not induce vomiting.

**Personal protection for first-aid responders** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Get medical attention, if needed.

**Symptoms caused by exposure** Causes severe skin burns and eye damage. May be harmful if swallowed.

**Medical attention and special treatment** Provide general supportive measures and treat symptomatically.

### Section 5: Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam. Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical** No unusual fire or explosion hazards noted.

**Special protective equipment and precautions for fire fighters** Wear suitable protective equipment. Use standard firefighting procedures and consider the hazards of other involved materials.

**Fire fighting equipment/instructions** Containers should be cooled with water to prevent vapour pressure build up.

**Hazchem code** None.

**Hazards from combustion products** None under normal conditions. Combustion products may contain oxides of: Carbon (CO<sub>x</sub>) Nitrogen (NO<sub>x</sub>) Phosphorus

### Section 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Use personal protective equipment as required. Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
<b>For emergency responders</b>	Use personal protective equipment as required.

**Environmental precautions** Prevent entry into waterways, sewer, basements or confined areas.

**Methods and materials for containment and cleaning up** Soak up with inert absorbent material. Clean up in accordance with all applicable regulations.

## Section 7: Handling and storage

<b>Precautions for safe handling</b>	Do not taste or swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a closed container. The product is stable and non-reactive under normal conditions of use, storage and transport. Store in a dry place.

## Section 8: Exposure controls/personal protection

<b>Control parameters</b>	Follow standard monitoring procedures.
<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.
<b>Individual protection measures, for example personal protective equipment (PPE)</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Hygiene measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using, do not eat, drink or smoke.

## Section 9: Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Light yellow
<b>Odour</b>	Mild pleasant
<b>Odour threshold</b>	Not available.
<b>pH</b>	9.5 - 10.5
<b>Melting point/freezing point</b>	-26 °C (-14.8 °F)
<b>Initial boiling point and boiling range</b>	98 °C (208.4 °F)
<b>Flash point</b>	>100.0 °C (>212.0 °F)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit – upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Kinematic viscosity</b>	Not available.
<b>Other physical and chemical parameters</b>	
<b>Flash point class</b>	ASTM D92-90
<b>pH in aqueous solution</b>	9.2 - 10.2
<b>Specific gravity</b>	1.017 - 1.124

## Section 10: Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid</b>	Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.
<b>Incompatible materials</b>	Strong acids. Powerful oxidizers. Alkalies.
<b>Hazardous decomposition products</b>	To avoid thermal decomposition, do not overheat.

## Section 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	Causes severe skin burns and eye damage.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Causes severe skin burns and eye damage. May be harmful if swallowed.

### Information on toxicological effects

**Acute toxicity** May be harmful if swallowed.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
TRIM® GRIND WCS		
<b>Acute</b>		
<b>Dermal</b>		
ATEmix		10823.809376115343 mg/kg bw

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
2-(2-Aminoethoxy)ethanol (CAS 929-06-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	1260 mg/kg, 24 Hours
<b>Oral</b>		
LD50	Rat	5660 mg/kg

**Skin corrosion/irritation** Corrosive to skin and eyes.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory irritation** Not available.

### Respiratory or skin sensitisation

**Respiratory sensitisation** Not classified.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

### ACGIH Carcinogens

Not available.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

**Reproductive toxicity** Not classified.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not classified.

**Narcotic effects** Not available.

**Chronic effects** None known.

## Section 12: Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available for this product.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13: Disposal considerations

<b>Disposal methods</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Residual waste</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Follow precautions for safe handling described in this safety data sheet.
<b>Special precautions to be taken during disposal</b>	Dispose in accordance with all applicable regulations.
<b>Method of disposal that should not be used</b>	Review federal, state/provincial, and local government requirements prior to disposal.

## Section 14: Transport information

<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.

## Section 15: Regulatory information

<b>HSNO Approval Number</b>	HSR002606
<b>HSNO Group Standard</b>	Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2020
<b>HSNO classification</b>	8.2B - Substances that are corrosive to dermal tissue UN PGII 8.3A - Substances that are corrosive to ocular tissue 6.1E -Substances that are acutely toxic – May be harmful, Aspiration hazard

### Applicable regulations

#### New Zealand Inventory of Chemicals (NZIoC): Registration status

2-(2-Aminoethoxy)ethanol (CAS 929-06-6)	May be used as a single component chemical under an appropriate group standard
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### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
New Zealand	New Zealand Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## Section 16: Other information

<b>Issue date</b>	21-February-2024
<b>Version No.</b>	01
<b>Key abbreviations or acronyms used</b>	Not available.

<b>Disclaimer</b>	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Master Fluid Solutions cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.
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**Revision information**

Product and Company Identification: Alternate Trade Names  
Composition / Information on Ingredients: Ingredients  
HazReg Data: International Inventories  
GHS: Classification